

SPEC: CONSTRUCTION PROJECT SPECIALIST (VARIOUS SITES)  
CALIFORNIA STATE PERSONNEL BOARD

SPECIFICATION

CONSTRUCTION PROJECT SPECIALIST (VARIOUS SITES)  
Series Specification  
(Established February 20, 1985)

SCOPE

This series specification describes two Construction Project Specialist classes used by the Office of the State Architect to provide contract administration, audit inspection, and coordination during construction of major projects of specified duration. The construction project site becomes part of the parenthetical description (Various Sites) upon adoption by the State Personnel Board.

Schem Code	Class Code	Class
IS75	6160	Construction Project Inspector (Various Sites)
IS65	6161	Construction Project Specialist I (Various Sites)

DEFINITION OF SERIES

The term "project" as it applies to this class series is defined as a major construction project of specified duration (up to 48 months) where the Office's Construction Services Unit's permanent full-time staffing levels are insufficient to adequately provide contract administration, audit inspection, and coordination of the additional workload.

ENTRY LEVEL

Entry into this series may be at any level. Entry is typically from outside State service.

FACTORS AFFECTING POSITION ALLOCATION

Level of difficulty, variety and complexity of assigned duties, independence of action and decisions, supervision received, and degree of lead responsibility or supervision exercised serve as differentiating factors between classes.

DEFINITION OF LEVELS

CONSTRUCTION PROJECT INSPECTOR (VARIOUS SITES)

Under direction, at a specific major construction project site, to do work of average difficulty in connection with the making of detailed technical inspections of buildings and facilities under construction or alteration; and to do other related work.

## CONSTRUCTION PROJECT SPECIALIST I (VARIOUS SITES)

Under direction, at a specific construction project site, to do difficult work involved in the making of continuous detailed inspections, supervision, and coordination of contract work for buildings and facilities under construction or alteration; and to do other related work.

## MINIMUM QUALIFICATIONS

## CONSTRUCTION PROJECT INSPECTOR (VARIOUS SITES)

## Either I

One year of experience performing the duties of a Junior Construction Inspector in the California state service.

## Or II

Experience: Two years of experience as an architect's, engineer's or owner's representative in technical inspection or supervision on building construction work, or as a construction superintendent in projects utilizing several crafts. (Experience in California state service applied toward this requirement must include at least one year in a class at a level of responsibility at least equivalent to Junior Construction Inspector.) and

Education: Equivalent to graduation from college with major work in engineering or architecture. (Additional qualifying experience may be substituted for the required education on a year-for-year basis.)

## CONSTRUCTION PROJECT SPECIALIST I (VARIOUS SITES)

## Either I

Two years of experience performing duties comparable to the class of Construction Inspector in the California state service.

## Or II

Experience: Four years' experience either:

(1) As an architect's, engineer's, or owner's representative in technical inspection or supervision on building construction work involving the performance of increasingly complex duties and including two years in responsible charge of inspection on major building construction such as schools, hospitals or other large buildings; or

(2) As a construction superintendent on such buildings. (Experience in California state service applied toward these experience requirements must include at least two years performing the duties of a class at a level of responsibility at least equivalent to Construction Inspector.) and

Education: Equivalent to graduation from college with major work in engineering or architecture. (Additional qualifying experience may be substituted for the required education on a year-for-year basis.)

## KNOWLEDGE AND ABILITIES

## CONSTRUCTION PROJECT INSPECTOR (VARIOUS SITES)

Knowledge of: Uses and properties of construction materials; processes involved in the construction of major buildings; work of various trades; plumbing codes; Part 3, Title 24, of the California Administrative Code (Basic Electrical Regulations); defects of lumber

and standard lumber grading rules; methods of mixing, placing and curing plain and reinforced concrete; methods of proportioning concrete aggregates; proper methods of applying paints and other surface finishes; fabrication and erection of steel structural members; nature of soils and soil compaction.

Ability to: Detect poor building material and workmanship; determine stresses in shoring and in the supports of form work; read and understand building plans and specifications and detect deviations from them by inspection and field tests; analyze situations accurately and take effective action; keep record of time and materials; write clear and concise reports.

#### CONSTRUCTION PROJECT SPECIALIST I (VARIOUS SITES)

Knowledge of: Materials, methods, and processes entering into the construction of wood, steel frame, masonry, and concrete buildings; work of the various building trades; various codes and safety orders applicable to building construction; defects of and grading rules for lumber; methods of proportioning concrete aggregates, designing concrete mixes and proper methods of mixing, placing, and curing plain and reinforced concrete; mortar and grout mixes; methods of steel frame erection; reinforced concrete construction, forms, and shoring; soils and soil compacting; structural engineering designs; plumbing, heating, ventilating, and electrical work.

Ability to: Calculate material quantities, determine stresses in shoring and supports of form work; detect deviations from plan specifications by inspection; analyze situations accurately and take effective action; lead the work of others; prepare correspondence and write clear and comprehensive reports.

#### SPECIAL PERSONAL CHARACTERISTICS

##### ALL LEVELS:

Tact and keenness of observation; physical stamina.

#### CLASS HISTORY

Class	Date Established	Date Revised	Title Changed
Construction Project Inspector (Various Sites)	2/20/85	--	--
Construction Project Specialist I (Various Sites)	2/20/85	--	--

#### CONSTRUCTION PROJECT INSPECTOR AND SPECIALIST; MECHANICAL AND ELECTRICAL PROJECT INSPECTOR

Class  
Code

Class

6160	Construction Project Inspector
6161	Construction Project Specialist I
6162	Mechanical Project Inspector
6163	Electrical Project Inspector

Classes established for each of the following sites:

1. Riverside Site  
Effective 2/20/85 (All Classes)
2. Lancaster Prison Project Construction Site  
Effective 1/6/88 (All Classes)
3. Coalinga Prison Project Construction Site  
Effective 1/6/88 (All Classes)
4. Madera Prison Project Construction Site  
Effective 1/6/88 (All Classes)
5. Corcoran Site  
Effective 10/4/88 (All Classes)
6. Downtown Los Angeles  
Effective 10/4/88 (All Classes)
7. Delano  
Effective 10/4/88 (All Classes)
8. El Centro  
Effective 10/4/88 (All Classes)

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